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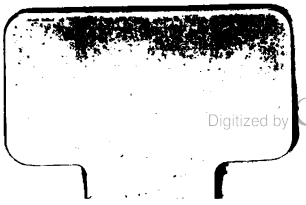
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— Resources of. J. B. Killebrew, A. M. Nashville, 1874. 8vo.

— Wilcox Mining Co. of. Annual Report. New York, 1871. 8 vo.

TERRITORIES, Bulletin of the United States Geological and Geographical Survey. Washington, 1876-77. 8vo.

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TERRITORIES, United States Geological Survey of, for the Years 1867 to 1875. F. V. Hayden. Washington, 1869-75. 7 vols. 8vo.

— Report of the United States Geological Survey of. F. V. Hayden. Washington, 1875-78. 4 vols. 4to. — Vol. I — Fossil Vertebrates. Leidy. — Vol. II — Cretaceous Vertebrata. Cope. — Vol. VII — Tertiary Flora. Lesquereux. — Vol. IX — Invertebrate Palæontology. Meek.

TINMAN'S MANUAL and Builder's and Mechanic's Handbook. J. R. Butts. Boston, 1873. 12mo.

TIN-SCRAP, The Utilization of Waste. The Manhattan Metal and Chemical Co. New York. 8vo.

TRACTION ENGINES AND STEAM ROAD ROLLERS. Prof. R. H. Thurston.

TRANSIT IN NEW YORK CITY, New York Arcade Railway.

TRANSMISSION OF POWER BY WIRE ROPES.

TRAVEL IN NORTH AMERICA. Chas Lyell, F. R. S. New York, 1845. 12mo.

UINTA MOUNTAINS, Report on the Eastern Portion, with Atlas. J. W. Powell. Washington, 1876. 4to.

UNITED STATES GEOGRAPHICAL SURVEYS WEST OF THE 100th. MERIDIAN. 1875 to 1877. Vols. III, IV and V. Washington, 1875-77. 4to.

— GEOLOGICAL EXPLORATION of the Fortieth Parallel. Vols. III and V. Clarence King. 2 vols. 4to. With Atlas.

— INTERNAL REVENUE AND TARIFF LAW. Horace E. Dresser. New York, 1870. 8vo.

VIRGINIA, A Geographical and Political Summary. Richmond, 1870. 8vo.

— First Annual Report of the Commissioner of Agriculture. Richmond, 1877. 8vo.

— Resources, Climate and Productions. M. F. Maury, LL. D., etc., etc. Richmond, 1864. 8vo.

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VIRGINIA, AND WEST VIRGINIA, The Coal and Iron Fields of. D. T. Ansted, M. A., F. R. S. New York, 1874. 8vo.

— Royal Land Company of; Its Minerals. Richmond, 1877. 8vo.

WEIGHTS, MEASURES AND COINS. T. Egleston. New York, 1875. 16mo.

WEST VIRGINA, Resources of. M. F. Maury and Wm. M. Fontaine, A. M. Wheeling, 1876. 8vo.

WISCONSIN, Geology of. Vol. II. Beloit, 1877. 8vo.

— IOWA AND MINNESOTA. Report of a Geological Survey. David Dale Owen. Philadelphia, 1852. 4to.

— TERRITORY, Report of a Geological Reconnoissance in 1835. G. W. Featherstonhaugh. Washington, 1836. 8vo.

— The State of. Madison, 1876. 8vo.

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HOUSTON AND TEXAS CENTRAL RAILWAY.

INDIANA, Maps and Colored Section Referred to in the Report of the State Geologist of Indiana. 1869.

INDIANA, Maps for the Geological Survey of. E. T. COX. 1872.

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MARCY'S REPORT, Maps Accompanying.

MICHIGAN, Geological and Topographical Map of the Mineral District of Lake Superior. 1864.

MICHIGAN, Geological Survey of. Atlas Accompanying Report on Iron Bearing Rocks. T. B. Brookes.

MISSOURI, Atlas Accompanying Reports of Geological Survey. 1874. G. C. Broadhead, State Geologist.

MISSOURI, Geological Survey of. Raphael Pumpelly, Director. Atlas Accompanying Report on Iron Ores and Coal Fields.

NEW JERSEY, Geological Map of, for 1874.

NEW JERSEY, Maps Accompanying the Geological Survey of.

OHIO, (Southern), Map of a Portion of the Coal and Iron Region of.

OHIO, Maps for Geological Survey of. 1873 and 1874.

TENNESSEE, Map of.

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UNITED STATES, Geological Exploration of the Fortieth Parallel, Mining Industry Atlas.

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